INTERNATIONAL SEARCH REPORT

International application No.

Y JP 2000-209681 A (Sony Corp.), 28 July, 2000 (28.07.00), Full text; Figs. 1 to 16 (Family: none) Y JP 2002-222302 A (Matsushita Electric Industrial Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 & WO 2002/48896 A1 & AU 3405502 A & US 2002/0164004 A1 & US 2002/0174436 A1 X Further documents are listed in the continuation of Box C. See patent family annex.			PCT/JP	2004/007053
B. FIELDS SEARCHED Minimum documentation system followed by classification symbols) Int.cl? G06F17/60 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Toroku Jitsuyo Shinan Koho 1994–2004 Kokai Jitsuyo Shinan Koho 1917–2004 Jitsuyo Shinan Toroku Koho 1996–2004 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) JICST FILE (JOIS), WPI, INSPEC (DIALOG): C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim Y JP 2000–209691 A (Sony Corp.), 28 July, 2000 (28.07.00), Full text; Figs. 1 to 16 (Family: none) Y JP 2002–222302 A (Matsushita Electric Industrial Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 a WO 2002/48896 A1 a US 2002/0164004 A1 a US 2002/0174436 A1 Electronic defining the general state of the art which is not considered to be of particular relevance; the claimed invention cannot be considered to be of particular relevance; the claimed invention cannot be considered to be of particular relevance; the claimed invention cannot be considered to involve an invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other such document invention cannot a combined with one or more other	A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER G06F17/60		
Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 G06F17/60	According to Int	ternational Patent Classification (IPC) or to both nation	nal classification and IPC	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) JICST FILE (JOIS), WPI, INSPEC (DIALOG) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim Y JP 2000-209681 A (Sony Corp.), Full text; Figs. 1 to 16 (Family: none) Y JP 2002-222302 A (Matsushita Electric Industrial Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 4 WO 2002/48896 Al & AU 3405502 A 4 US 2002/0164004 Al & US 2002/0174436 Al Y Further documents are listed in the continuation of Box C. Special categories of cited documents: "A document defining the general state of the art which is not considered in the continuation of the comment defining the general state of the art which is not considered in the continuation of the comment which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document extend to particular relevance, the claimed invention cannot folling date The document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) Councert extends the published of the international filing date to the international followers Councer to particular relevance, the claimed invention cannot considered to involve an invention cannot considered to inv				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim Y	Jitsuyo Kokai J	Shinan Koho 1922-1996 To itsuyo Shinan Koho 1971-2004 J	oroku Jitsuyo Shinan Koho itsuyo Shinan Toroku Koho	1994 – 2004 1996–2004
Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim Y JP 2000-209681 A (Sony Corp.), 28 July, 2000 (28.07.00), Full text; Figs. 1 to 16 (Family: none) Y JP 2002-222302 A (Matsushita Electric Industrial Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 & WO 2002/48896 A1 & AU 3405502 A & US 2002/0164004 A1 & US 2002/0174436 A1	Electronic data b	pase consulted during the international search (name of FILE (JOIS), WPI, INSPEC (DIALOG	data base and, where practicable, search t	erms used)
Y JP 2000-209681 A (Sony Corp.), 28 July, 2000 (28.07.00), Full text; Figs. 1 to 16 (Family: none) Y JP 2002-222302 A (Matsushita Electric Industrial Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 & WO 2002/48896 Al & AU 3405502 A & US 2002/0164004 Al & US 2002/0174436 Al V	C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Y	Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 & WO 2002/48896 A1 & AU 3405502 A & US 2002/0164004 A1 & US 2002/0174436 A1 Further documents are listed in the continuation of Box C. Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance: "E" earlier application or patent but published on or after the international filing date in the principle or theory underlying the invention considered to the other special reason (as specified) "O" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 25 June, 2004 (25.06.04) Date of mailing of the international search report 13 July, 2004 (13.07.04)	Y	28 July, 2000 (28.07.00), Full text; Figs. 1 to 16),	1-30
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 25 June, 2004 (25.06.04) "It alter document published after the international filing date or product and not in conflict with the application but cited to understate the principle or theory underlying the invention cannot document of particular relevance; the claimed invention cannot to considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot to considered to involve an inventive step when the document of particular relevance; the claimed invention cannot are document of particular relevance; the claimed inv	Υ .	Co., Ltd.), 09 August, 2002 (09.08.02), Full text; Figs. 1 to 8 & WO 2002/48896 A1 & AU	3405502 A	1-30
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Name and mailing address of the ICA/	25 June, 2004 (25.06.04)		13 July, 2004 (13.07.04)	
Japanese Patent Office	Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No. Telephone No. Telephone No.		(second sheet) (Isnuary 2004)	Telephone No.	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/007053

PCT/JP2004/007053					
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant	ant passages	Relevant to claim No.		
. Ү	JP 2002-164858 A (Toyota Motor Corp.), 07 June, 2002 (07.06.02), Full text; Figs. 1 to 9 (Family: none)		4,5,7,9,14, 16-24		
. У	JP 2002-534013 A (Sony Electronics, Inc. 08 October, 2002 (08.10.02), Full text; Figs. 1 to 11 & EP 1142326 A1 & WO 2000/38421 & AU 2170800 A		14		
A	JP 2003-16328 A (Fujitsu Ltd.), 17 January, 2003 (17.01.03), Full text; Figs. 1 to 9 (Family: none)		1-30		
A	<pre>JP 2003-108565 A (Xing Inc.), 11 April, 2003 (11.04.03), Full text; Figs. 1 to 13 (Family: none)</pre>		1-30		
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P. POWGS : S	(continuation of second sheet) (January 2004)				